What is Claimed is:

1. A data transfer system used in a system for transferring a plurality of packets in a serial manner, comprising:

a packet creating section for collecting said plurality of packets transferred in said serial manner to create a transfer packet;

a cell sending section for converting said transfer packets created by said packet creating section into a cell able to be sent onto a predetermined communication network and then sending said cell onto said predetermined communication network;

a packet reconfiguring section for receiving said cell from said predetermined communication network and then reconfiguring a packet having same contents as said transfer packet created by said packet creating section; and

a packet dividing/transferring section for dividing said transfer packet reconfigured by said packet reconfiguring section and then transferring in the serial manner.

2. The data transfer system according to claim 1, wherein said packet creating section collects said plurality of packets transferred in the serial manner every first time lapse.

3. The data transfer system according to claim 1, wherein said packet creating section includes, in said packet, information of time when said plurality of packets are sent.

4. The data transfer system according to claim 1, wherein said packet dividing/transferring section transfers said divided packet in said serial manner based on said time information.

5. The data transfer system according to claim 4, wherein said packet dividing/transferring section decides a cycle during which said divided packet is to be transmitted, based on said time information.

6. The data transfer system according to claim 1, wherein a packet, of said plurality of packets, transferred to said packet creating section is an isochronous packet in accordance with IEEE1394 Standards.

7. The data transfer system according to claim 1, wherein a packet, of said plurality of packets, transferred to said packet dividing/transferring section is an isochronous packet in accordance with IEEE1394 Standards.

8. The data transfer system according to claim 1, wherein said predetermined communication network is configured from one virtual channel.

9. The data transfer system according to claim 1, wherein each of a transmission source and a transmission destination which are connected to said predetermined communication network is a terminal connected to one serial bus.

10. The data transfer system according to claim 1, wherein said predetermined communication network is configured from a plurality of virtual channels and wherein a predetermined channel of said plurality of virtual channels is specified to each packet transferred to said packet creating section.

11. The data transfer system according to claim 10, wherein information of said predetermined channel of a virtual channel, of said plurality of virtual channels, is sent to both said packet reconfiguring section and said packet dividing/transferring section.

12. The data transfer system according to claim 11, wherein said packet dividing/transferring section transfers said divided packet based on said predetermined channel information.

13. The data transfer system according to claim 10, wherein a transmission source connected to said predetermined communication network is a terminal connected to one serial bus, while communication destination terminals connected to said predetermined communication network are terminals connected to mutually different serial buses.

14. A data transfer system used in a system for transferring a plurality of packets in a serial manner, comprising:

a packet creating program for collecting said plurality of packets transferred in said serial manner to create a transfer packet;

a cell sending program for converting said transfer packets created by said packet creating program into a cell able to be sent onto a predetermined communication network and then sending said cell onto said predetermined communication network;

a packet reconfiguring program for receiving said cell from said predetermined communication network and then reconfiguring a packet having same contents as said transfer packet created by said packet creating program; and

a packet dividing/transferring program for dividing said transfer packet reconfigured by said packet reconfiguring program and then transferring in the serial manner.

15. The data transfer system according to claim 14, wherein said packet creating program collects said plurality of packets transferred in the serial manner every first time lapse.

16. The data transfer system according to claim 14, wherein said packet creating program includes, in said packet, information of time when said plurality of packets are sent.

17. The data transfer system according to claim 14, wherein said packet dividing/transferring program transfers said divided packet in said serial manner based on said time information.

18. The data transfer system according to claim 17, wherein said packet dividing/transferring program decides a cycle during which said divided packet is to be transmitted, based on said time information.

19. The data transfer system according to claim 14, wherein a packet, of said plurality of packets, transferred to said packet creating program is an isochronous packet in accordance with IEEE1394 Standards.

20. The data transfer system according to claim 14, wherein a packet, of said plurality of packets, transferred to said packet dividing/transferring program is an isochronous packet in accordance with IEEE1394 Standards.

21. The data transfer system according to claim 14, wherein said predetermined communication network is configured from one virtual channel.

22. The data transfer system according to claim 14, wherein each of a transmission source and a transmission destination which are connected to said predetermined communication network is a terminal connected to one serial bus.

23. The data transfer system according to claim 14, wherein said predetermined communication network is configured from a plurality of virtual channels and wherein a predetermined channel of said plurality of virtual channels is specified to each packet transferred to said packet creating program.

24. The data transfer system according to claim 23, wherein information of said predetermined channel of a virtual channel, of said plurality of virtual channels, is sent to both said packet reconfiguring program and said packet dividing/transferring program.

25. The data transfer system according to claim 24, wherein said packet dividing/transferring program transfers said divided packet based on said predetermined channel information.

26. The data transfer system according to claim 23, wherein a transmission source connected to said predetermined communication network is a terminal connected to one serial bus, while communication destination terminals connected to said predetermined communication network are terminals connected to mutually different serial buses.

27. A data transfer method employed in a system for transferring a plurality of packets in a serial manner, comprising the steps of:

collecting, as a first step, said plurality of packets transferred in the serial manner in an order said plurality of packets are to be transmitted, to create a transfer packet;

converting, as a second step, said transfer packet created by said first step into a cell able to be sent to a predetermined communication network and then sending said cell to said predetermined communication network;

receiving, as a third step, said cell from said predetermined communication network and reconfiguring a packet having same contents as said transfer packet created in said first step; and

dividing, as a fourth step, said transfer packet reconfigured by said third step and transferring said transfer packet in the serial manner.

28. The data transfer method according to claim 27, wherein said first step collects said plurality of packets transferred in the serial manner, every a first time lapse.

29. The data transfer method according to claim 27, wherein said first step includes information of time when said plurality of packets were sent, in said packet.

30. The data transfer method according to claim 27, wherein said fourth step transfers said divided packet in the serial manner based on said time information.

31. The data transfer method according to claim 30, wherein said fourth step decides a cycle during which said divided packet is to be transmitted, based on said time information.

32. The data transfer method according to claim 27, wherein a packet transferred at said first step is an isochronous packet in accordance with IEEE1394 Standards.

33. The data transfer method according to claim 27, wherein a packet transferred at said fourth step is an isochronous packet in accordance with IEEE1394 Standards.

34. The data transfer method according to claim 27, wherein said predetermined communication network is configured from one virtual channel.

35. The data transfer method according to claim 27, wherein each of a transmission source and a transmission destination which are connected to said predetermined communication network is a terminal connected to one serial bus.

36. The data transfer method according to claim 27, wherein said predetermined communication network is configured from a plurality of virtual channels and wherein a predetermined channel of said plurality of virtual channels is specified to each packet transferred in the serial manner at said first step.

37. The data transfer method according to claim 36, wherein predetermined channel information of said virtual channels is sent through said predetermined communication network at said third step and at said fourth step.

38. The data transfer method according to claim 37, wherein said fourth step transfers said divided packet based on said predetermined channel information.

39. The data transfer method according to claim 36, wherein a transmission source connected to said predetermined communication network is a terminal connected to one serial bus, while transmission destination terminals connected to said predetermined communication network are terminals connected to mutually different serial buses.